

### Abstract

The system comprises mixing a fluorescence-emitting compound that binds to the steroid hormone receptors in a solution containing the steroid hormone receptors. Then, measuring the fluorescence polarization of the solution. Subsequently, incubating the solution with at least one molecule that may compete with the compound for interaction with the steroid hormone receptors. Measuring the fluorescence polarization of the solution again. Finally, comparing the fluorescence polarization measurements to quantify any competitive interaction.